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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/626,215	07/24/2003	Charles Calvin Byers	42430-10684	9644
47377 75	90 11/28/2005		EXAMINER	
JENNER & B	LOCK LLP		VO, T	IM T
ONE IBM PLA	ZA			
CHICAGO, IL	60611		ART UNIT	PAPER NUMBER
		•	2112	

DATE MAILED: 11/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)		
Office Action Summary		10/626,215	BYERS ET AL.		
		Examiner	Art Unit		
		Tim T. Vo	2112		
The MAILING DATE of the Period for Reply	is communication app	ears on the cover sheet with the c	orrespondence address		
WHICHEVER IS LONGER, FRO - Extensions of time may be available under after SIX (6) MONTHS from the mailing da - If NO period for reply is specified above, the - Failure to reply within the set or extended	DM THE MAILING DA the provisions of 37 CFR 1.13 te of this communication. the maximum statutory period we period for reply will, by statute, three months after the mailing	'IS SET TO EXPIRE 3 MONTH(ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI date of this communication, even if timely filed	l. ely filed the mailing date of this communication. O (35 U.S.C. § 133).		
Status					
	2b)⊠ This condition for allowan	action is non-final. action is non-final. ace except for formal matters, pro ax parte Quayle, 1935 C.D. 11, 45			
Disposition of Claims					
Replacement drawing sheet	is/are withdraw //are allowed. e rejected. ected to. ct to restriction and/or ed to by the Examiner July 2003 is/are: a) at any objection to the of (s) including the correction	relection requirement. r. ☐ accepted or b)☐ objected to bedrawing(s) be held in abeyance. See on is required if the drawing(s) is objected.	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).		
11) The oath or declaration is	objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.		
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892 2) Notice of Draftsperson's Patent Drawi	ng Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da	te		
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:					

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Part III DETAILED ACTION

Notice to Applicant(s)

This application has been examined. Claims 1-14 are pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1, 10-11 and 13 are rejected under 35 U.S.C. § **102(e)** as being anticipated by Applicant Admitted Prior Art (AAPA).

As for claim 1, AAPA teaches an electronic system comprising: a backplane including a multi-layer circuit board with a plurality of traces and N slots for receiving circuit packs and at least N-1 sets of connection points for interconnecting the N slots one-to-the other (see figure 1); wherein each set of connection points is selected to connect via the plurality of traces to a slot that is a predetermined relative number of slots away from said slot (see figure 1 and page 4 lines 1-29 and page 6 lines 20-23, wherein each connection points of the slots 102a-102f is connected via plurality of traces of T and R of the slots and the routing assignment, where row X of slot Y connects to row Y of slot X, the backplane system 200 assigns each row of connections 204 a relative shift that determines which slot is connected to another slot at a particular row of connections).

As for claim 10, AAPA teaches wherein the backplane has an interconnect topology that is a full mesh for N slots (see figure 1 and page 4 lines 21-22).

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As for claim 11, AAPA teaches at least one circuit pack in the N slots, where the at least one circuit pack uses its slot position and a table of relative shifts to determine a physical port to communicate with another circuit pack in the N slots (see page 4 lines 1-29).

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As for claim 13, AAPA teaches a multi-layered circuit board for use in an electronic system (see figure 1) comprising: a plurality of traces for making electrical connections (see figure 1, plurality traces lines via the slots 102a-102f); N slots for receiving circuit packs; N-1 rows of connection points for interconnecting the N slots one to the other using the plurality of traces (see figure 1, slots 104a-104f); wherein each row of connection points is selected to connect a circuit pack in a slot to a slot that is a predetermined relative shift from said circuit pack (see figure 1 and page 4 lines 1-29 and page 6 lines 20-23, wherein each connection points of the slots 102a-102f is connected via plurality of traces of T and R of the slots and the routing assignment, where row X of slot Y connects to row Y of slot X, the backplane system 200 assigns each row of connections 204 a relative shift that determines which slot is connected to another slot at a particular row of connections).

Allowable Subject Matter

Claims 2-8, 12 and 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tim T. Vo whose telephone number is 571-272-3642. The examiner can normally be reached on 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rehana Perveen can be reached on 571-272-3672. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

10/10/2005

Tim T. Vo
Primary Examiner
Art Unit 2112